CLAIMS:

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- 1. An ink jet printing apparatus for printing on a substrate, the printer comprising:
- a plurality of ink jet printheads for emitting ink towards a surface of the substrate wherein the printheads are adapted to be stationary while emitting ink;
 - a plurality of rollers arranged to move the substrate relative to the printheads; and a pressure source
- wherein the pressure source is arranged to apply a negative gauge pressure to the substrate to hold the substrate to the rollers.
 - 2. Apparatus according to claim 1, wherein the apparatus is adapted to print onto the surfaces of a plurality of discrete substrates.
- 15 3. Apparatus according to claim 1 or claim 2, wherein the apparatus includes at least three rollers arranged to move the substrate relative to the printheads.
- 4. Apparatus according to any preceding claim, wherein a roller is mounted substantially parallel to an adjacent roller such that the angle of the adjacent rollers is not more than 6 milliradians from parallel.
 - 5. Apparatus according to any preceding claim, wherein the rollers are rotatable wherein the apparatus is adapted to control the rotation such that the peripheral speeds of adjacent rollers are within 1%.
 - 6. Apparatus according to any preceding claim where the negative gauge pressure is applied to the substrate in a region between adjacent rollers.
- 7. Apparatus according to any preceding claim, further including an element arranged between the rollers adjacent the substrate.
 - 8. Apparatus according to claim 7, wherein the element is arranged to restrict the airflow

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between the rollers.

- 9. Apparatus according to claim 7 or claim 8, wherein the element is arranged to reduce deformation of the substrate between the rollers.
- 10. Apparatus according to any preceding claim, further including a guide for guiding a leading edge of the substrate.
- 11. Apparatus according to any preceding claim wherein the substrate comprises a substantially rigid material.
 - 12. Apparatus according to any preceding claim wherein the arrangement is such that the substrate is mounted, during printing, on a deformable surface.
- 15 13. Apparatus according to any preceding claim wherein the apparatus is adapted to move the substrate at a speed greater than 1m/s.
 - 14. Apparatus according to any preceding claim, wherein the system is adapted to print a colour image.
 - 15. Apparatus according to any preceding claim, wherein the apparatus is adapted to print an image having a resolution of greater than 120 dpi.
- 16. A transport device for moving a substrate past printheads in an ink jet printer, the
 25 device comprising:
 a plurality of rollers arranged to move the substrate relative to the printheads; and
 a pressure source
 wherein the pressure source is arranged to apply a negative gauge pressure to the
 substrate to hold the substrate to the rollers.
 - 17. A method of printing a substrate in an ink jet printer comprising a plurality of printheads, a plurality of rollers and a pressure source, the method comprising the

steps of:

moving the substrate on the rollers relative to the printheads; and applying a negative gauge pressure to the substrate to hold the substrate to the rollers, wherein the printheads are stationary during emission of ink towards the substrate.

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- 18. A substrate printed using a printer according to any of claims 1 to 16 and/or using a method according to claim 17.
- 19. Apparatus being substantially as described herein having reference to and as illustrated in the accompanying figures.
 - 20. A method being substantially as described herein having reference to the accompanying figures.